

## Product datasheet for **MC217030**

### Notum (NM\_175263) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Notum (NM_175263) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Notum
Synonyms:	5730593N15Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC217030 representing NM\_175263  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGAGGAGAGGTGCGCGTGTCTACTGCTGGCCCTGTGCATTGGGTTGGGGCAGCGAGGGCAGGA  
 AGACCTGGAGGCCCGTGGCCAGCAGCCACCCAGCCGCGCCCGCCGCTCCCGCAGCGGGCTGA  
 GGTGGAGCCGGCGCCGGCAGCCGGTGGAGAGCTTCCCGCTGGACTTACCGCAGTGGAGGGCAACATG  
 GACAGCTTTATGGCGCAAGTCAAGAGCCTGGCACAGTCCCTGTATCCCTGCTCTGCGCAGCAGCTCAATG  
 AGGACCTGCGCCTTACCTCCTGCTGAACACGTCGGTGACCTGCAATGACGGCAGCCCGCCGGCTACTA  
 TTTGAAGGAGTCCAAGGGCAGTCGGCGGTGTTACTCTTTCTGGAAGGCGGCTGGTATTGCTTCAACCGG  
 GAGAACTGTGATTCCAGATACAGCACCATGCGGCGCTCATGAGCTCAAAGACTGGCCACACACACGCA  
 CAGGTAAGTATTCTATCCTCCAGCCAGAGGAGAACCCCACTGGTGGAAATGCCAATATGGTCTTCAT  
 CCCTTACTGCTCCAGTGACGTTTGGAGTGGGGTTCACCCAAGTCTGACAAGAATGAATATGCCTTCATG  
 GGCTCCCTCATATCCAGGAGGTGGTACGGGAGCTCCTGGGCAAAGGGCTGAGCGGGGCAAAGGTGCTGC  
 TGTGGCCGGGAGCAGCGCTGGGGCACCGGGTGTGTTGAATGTAGACCGCGTGGCTGAGCTGCTGGA  
 GGAGTTGGGCTACCCGTCTATCCAGGTGCGGGGCTGGCTGACTCAGGCTGGTTCCTGGACAACAAGCAG  
 TACCGGCATCAGACTGCATTGATACTATCAACTGTGCACCCACAGACGCCATCCGCCGTGGCATCAGGT  
 ACTGGAGTGGGATGGTCCAGAGCGTTGCCAGCGCCAGTCAAGGAAGGAGAGGAATGGAATTGCTTCTT  
 TGGCTACAAAGTATATCCGACTCTGCGCTGTCCGGTGTTCGTGGTACAGTGGCTTTTCGATGAGGCCAG  
 CTTACCGTGGATAACGTGCATCTACCGGACAGCCGGTTCAGGAAGGCCAGTGGCTATACATCCAGAATC  
 TGGCCGAGAACTGCGTGGTACACTCAAGGATGTGCAGGCCAGCTTGGCCCGCTGCCTGTCTCATGA  
 GATCATATACGGAGCTATTGGACGGACGTCAGGTGAAGGGGACCTCACTGCCAGGGCACTGCACTGC  
 TGGACCGGAGCTTCCATGACAGCCATAAGGCCAGCAAAACCCCATGAAGGGCTGCCCTTTCACCTGG  
 TAGACAGCTGCCCTGGCCCACTGCAATCCCTCATGCCCTACCATCCGGGACCAGTTTACAGGGCAAGA  
 GATGAACGTGGCAGATTCTTATGCATATGGGCTTCGATGTGCAGACGGTGGCTCAGCAGCAGGGGATG  
 GAGCCAGCAAGCTGCTAGGGATGCTGAGTAATGGGAAC**TAG**

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_175263

**Insert Size:** 1512 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_175263.4</a></u> , <u><a href="#">NP_780472.3</a></u>
<b>RefSeq Size:</b>	2020 bp
<b>RefSeq ORF:</b>	1512 bp
<b>Locus ID:</b>	77583
<b>UniProt ID:</b>	<u><a href="#">Q8R116</a></u>
<b>Cytogenetics:</b>	11 E2
<b>Gene Summary:</b>	Carboxylesterase that acts as a key negative regulator of the Wnt signaling pathway by specifically mediating depalmitoleoylation of WNT proteins. Serine palmitoleoylation of WNT proteins is required for efficient binding to frizzled receptors.[UniProtKB/Swiss-Prot Function]